BRUHATH BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Work Slip: As per Std Tender Documents

Name of Work: Name of Work:Restoration and Improvements of Balance Roads Ananthapura village, Prakruthi layout, Nisarga layout and surrounding areas in ward no-03 of Yelahanka New town Sub division

Estimate Amount:- Rs. 10,00,00,000.00/-

Name of Contractor:- M/S Sathya Constructions

Approved amount:- 88577319.37

Tender premium:- 1.00% above

Sl. No.	Description of Work	Unit	Qty as per ScheduleB			Total Qty Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount	Excess amount	Savings amount	Remar
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt				
1	2	3	4	5	6	10	11	12	13	14	15	16	17	18	19	20
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.	Cum	3665.00	217.43	796880.95	4892.50	4581.25	217.43	996101.19	311.25	217.43	67675.09	1063776.28	266895.33	0.00	
2	Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications.	Cum	549.76	5675.99	3120432.26	733.88	687.20	5675.99	3900540.33	46.68	5675.99	264955.21	4165495.54	1045063.28	0.00	
3	Providing TMT Bars Fe 500 steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.	Tonne	65.37	80948.07	5291575.34	86.26	81.71	80948.07	6614469.17	4.55	80948.07	368111.35	6982580.52	1691005.18	0.00	

4	Providing and laying plain/reinforced cement concrete for side drains Wall & bottom thickness 15cm using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500,1700, 2200. including cost of materials, labour, HOM complete as per specifications.	Cum	1057.74	7497.22	7930109.48	1426.09	1322.18	7497.22	9912636.85	103.92	7497.22	779073.62	10691710.47	2761600.99	0.00	
5	Supplying and fixing precast reinforced concrete slab 10 cm thick of mix M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 150mm C/c both ways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of cost of all materials	Sqm	2749.50	1941.22	5337384.39	3564.72	3436.88	1941.22	6671730.49	127.85	1941.22	248175.27	6919905.76	1582521.37	0.00	
7	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal Coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost ofall materials, labour, HOM curing complete as per specifications.	Cum	197.60	6089.86	1203356.34	505.68	247.00	6089.86	1504195.42	258.68	6089.86	1575324.98	3079520.40	1876164.07	0.00	
8	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete.	No	9866.67	436.80	4309761.46	13179.00	12333.34	436.80	5387201.82	845.66	436.80	369385.38	5756587.20	1446825.74	0.00	
9	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications	Sqm	1554.00	85.65	133100.10	1965.50	1942.50	85.65	166375.13	23.00	85.65	1969.95	168345.08	35244.98	0.00	

10	roviding and laying heavy duty cobble stones 60mm [illegible] interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications.	Sqm	1088.00	1127.34	1226545.92	2576.82	1360.00	1127.34	1533182.40	1216.82	1127.34	1371769.86	2904952.26	1678406.34	0.00
12	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete,-wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means: A. Lime Concrete, cement concrete grade M-10 and below.	Cum	240.90	486.05	117089.45	755.61	301.13	486.05	146361.81	454.49	486.05	220904.62	367266.43	250176.98	0.00
16	Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383 2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1 .optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601 of MORTH V Revision and IS 456 Table-5 do- with OPC at 150 kg/cum and coarse aggregate 0.86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver.	Cum	365.26	4101.90	1498259.99	377.81	377.31	4101.90	1547694.04	0.50	4101.90	2033.52	1549727.56	51467.56	0.00

17	Constructing un-reinforced, plain cement concrete for [illegible]ments using Grade concrete M30 over a prepared base with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, soparation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour hire charges of machineries all	Cum	365.26	5690.64	2078563.17	377.81	377.31	5690.64	2147143.91	0.50	5690.64	2821.13	2149965.05	71401.88	0.00
22	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications.	Sqm	34947.00	12.85	449068.95	36274.31	36274.31	12.85	466124.92	0.00	12.85	0.00	466124.92	17055.97	0.00

25	KSRRB M800-35. Supply and Installtion of Moulded Type Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.	No	235.83	360.79	85085.11	294.00	294.00	360.79	106072.26	0.00	360.79	0.00	106072.26	20987.15	0.00
	Grand total													12794816.82	

Note: Percentage of Workslip over the sanctioned Estimate=Excess amount over the approved amount/Amount Put to tender x 100

Approved Amount =	88577319.37
Excess Amount =	12794816.82

$$\text{Percentage of Worslip} = \frac{\text{Excess Amount}}{\text{Approved Amount}} \times 100$$

Percentage of Worslip =	14.44	%

Contractor

Assistant Engineer
Yelahanka Project Division

Executive Engineer
Yelahanka, Division